

**Amendments to the Drawings:**

Fig. 1 has been amended to more clearly identify single wedge shaped casing 20, as well as to more clearly show that temperature sensor 10 includes all of the elements shown in Fig. 1.

Fig. 2 has been amended to add reference numeral 20 to identify the single wedge shaped casing including base 21, housing section 22 and leading edge section 24, in accordance with the description in the specification at page 6, lines 5-8.

Attachment:      Annotated Sheets Showing Changes  
                    Replacement Sheets

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

THE DRAWINGS

Figs. 1 and 2 have been amended as described hereinabove to more clearly identify the single wedge shaped casing 20, in accordance with the description in the specification at page 6, lines 1-8.

Submitted herewith are corrected sheets of drawing which incorporate the amendments and annotated sheets showing the changes made thereto. No new matter has been added.

It is respectfully submitted that the single wedge shaped casing 20 is now clearly shown in the drawings, and it is respectfully requested that the Examiner's objection to the drawings be withdrawn.

THE SPECIFICATION

The specification has been amended to more clearly identify the single wedge shaped casing 20, which is clearly shown in the drawings. No new matter has been added.

Accordingly, it is respectfully submitted that the single wedge shaped casing 20 is now clearly identified and described in the specification, and it is respectfully requested that the

rejection of the claims under 35 USC 112, first paragraph, be withdrawn.

THE PRIOR ART REJECTION

Claims 1-2 were again rejected under 35 USC 102 as being anticipated by USP 5,752,674 ("Mears et al") and claims 3-5 were again rejected under 35 USC 103 as being obvious in view of Mears et al. These rejections, however, are respectfully traversed.

According to the present invention as recited in independent claim 1, the temperature measuring device comprises a single wedge shaped casing arranged within an airflow flowing into an engine of an aircraft or on an external surface of an airframe of the aircraft. To prevent large ice formations from building up on the single wedge shaped casing, the angle of inclination of each blade surface of the casing, the width of a leading edge section of the casing, and the angle of inclination of the leading edge section of the casing are all set such that lumps of ice and snow detach at a stage of growth so as to prevent damage to the engine, the airframe or the other equipment of the aircraft.

That is, according to the claimed present invention, the temperatures sensor has only a single wedge shaped casing that extends into the airflow entering the engine, and the leading

edge and blade surfaces of the casing are structured so as to prevent the formation large lumps of ice and snow.

By contrast, it is again respectfully submitted that Mears et al discloses a structure comprising a plurality of disassociated wedge shaped portions that promote ice formation in multiple locations in order to prevent formation of large lumps of ice and snow. That is, Mears et al discloses a structure which facilitates ice formation in separate multiple locations, so that the size of individual ice formations is minimized.

Accordingly, it is again respectfully submitted that the structure of Mears et al clearly differs from the structure of the claimed present invention. Namely, Mears et al discloses a structure which minimizes the size of snow and ice formations by causing many small ice formations to form on a plurality of wedges, whereas the claimed present invention provides a single wedge shaped casing which shaped to cause ice formations to detach before they become large enough to damage the aircraft.

In fact, it is respectfully submitted that Mears et al teaches away from the use of a temperature sensor having only a single wedge shaped because Mears et al discloses a plurality of disassociated wedge shapes to minimize ice formation.

In short, it is again respectfully submitted that Mears et al does not disclose, teach or suggest a temperature sensor

having a single wedge-shaped casing, as according to the claimed present invention.

Accordingly, it is again respectfully submitted that the claimed present invention patentably distinguish over Mears et al under 35 USC 102 as well as under 35 USC 103.

\* \* \* \* \*

In view of the foregoing, allowance of the claims and the passing of this application to issue are respectfully solicited.

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,

/Douglas Holtz/

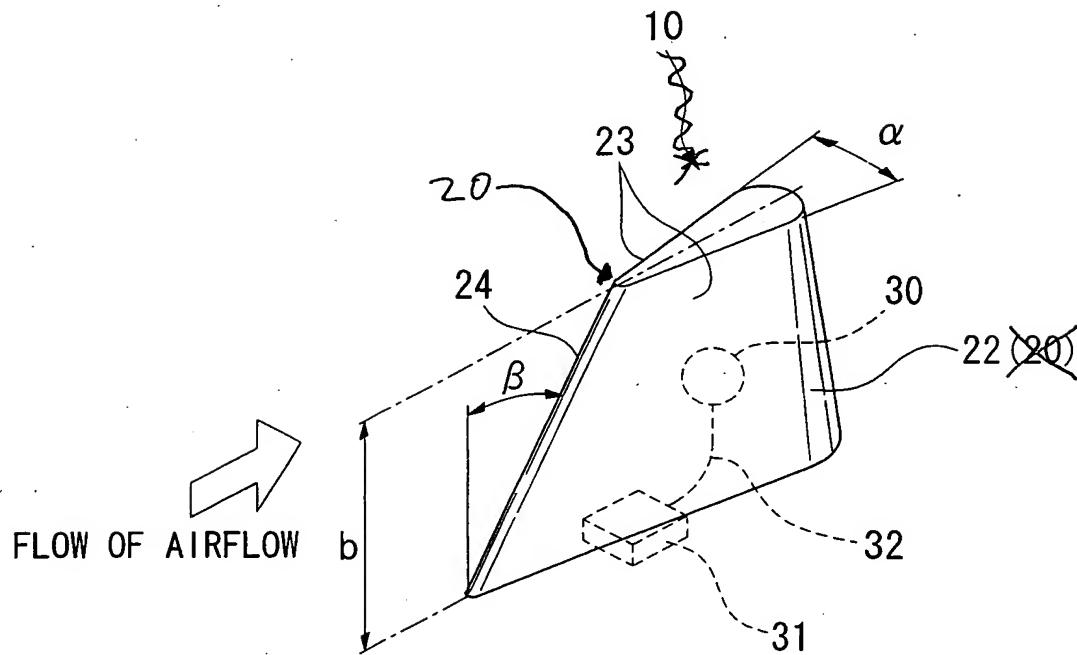
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Response to Final Office Action  
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Annotated Sheet Showing Changes



FIG. 1



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FIG.2

